

## ATF4 Human

**Description:** ATF4 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 510 amino acids (1-351 a.a.) and having a molecular mass of 56.6kDa. ATF4 is fused to a 159 amino acid His-Calmodulin-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #:PKPS-013

For research use only.

**Synonyms:** Cyclic AMP-dependent transcription factor ATF-4, cAMP-dependent transcription factor, ATF-4, Activating transcription factor 4, Cyclic AMP-responsive element-binding protein 2, CREB-2, cAMP-responsive element-binding protein 2, DNA-binding protein, TAXREB

**Source:** Escherichia Coli.

**Physical Appearance:** ATF3 is supplied as a sterile filtered clear solution.

**Amino Acid Sequence:** MHHHHHHMAD QLTEEQIAEF KEAFSLFDKD GDGTITTKEL  
GTMVMSLGQN PTEAELQDMI NEVDADGNGT IDPPEFLTMM ARKMKDTDSE EEIREAFRVF  
DKDGNGYISA AELRHVMTNL GEKLTDEEVD EMIREADIDG DGQVNYEEFV QMMTAKGSHM  
TEMSFLSSEV LVGDLMSPFD QSGLGAEESL GLLDDYLEVA KHFKPHGFSS DKAKAGSSEW  
LAVDGLVSPS NN

**Purity:** Greater than 90.0% as determined by SDS-PAGE.

**Formulation:**

ATF4 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT and 10% glycerol.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

Activating transcription factor 4 (ATF4) is a member of a family of DNA-binding proteins which includes the AP-1 family of transcription factors, cAMP-response element binding proteins and CREB-like proteins. The ATF4 gene encodes a transcription factor which was initially identified as a widely expressed mammalian DNA binding protein that could bind a tax-responsive enhancer element in the LTR of HTLV-1.

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